



Information Required for Permits for Incinerators

I. EQUIPMENT INFORMATION – *Complete a separate form for each device.*

Device Description: _____

Date Construction Commenced: _____ Device Start-Up Date: _____

Equipment

Manufacturer: _____

Model Number: _____ Serial Number: _____

Gross Heat Input Rating (as shown on nameplate): _____

A. Incinerator Design

1. Primary Burner

Number of Primary Burners _____

Burner Manufacturer _____

Gross Heat Input Rating (MMBtu/hr) _____

Model Number _____

Serial Number _____

Temperature Control Setting (°F) _____

Fuel Type _____

2. Secondary Burner

Number of Secondary Burners _____

Burner Manufacturer _____

Gross Heat Input Rating (MMBtu/hr) _____

Model Number _____

Serial Number _____

Temperature Control Setting (°F) _____

Fuel Type _____

3. Type of Unit

☐ Single Chamber

☐ Multi-Chamber

☐ Multi-hearth

☐ Fluidized Bed

☐ Controlled Air

☐ Pathological

☐ Other (specify): _____

4. Method of Charging

☐ Flue

☐ Chute

☐ Direct

☐ Other (specify): _____

B. Waste Burned

Waste Type	Actual Burn Rate (lb/hr)	Frequency of Burning (hr/yr)	Potential Capacity (lb/hr)	Potential Capacity (tons/yr)
0, 1				
2				
3				
4				
5				
6				
7				

C. Stack Information

Is unit equipped with multiple stacks? ☐ Yes ☐ No (if yes, provide data for each stack)

Identify other devices on this stack: _____

Is Section 123 of the Clean Air Act applicable? ☐ Yes ☐ No

Is stack monitoring used? ☐ Yes ☐ No

If yes, Describe: _____

Is stack capped or otherwise restricted? ☐ Yes ☐ No

If yes, Describe: _____

Stack exit orientation: ☐ Vertical ☐ Horizontal ☐ Downward

Stack ☐ Inside Diameter (ft) ☐ Exit Area (ft²)

Discharge height above ground level (ft)

Exhaust Flow (acfm)

Exhaust Velocity (ft/sec)

Exhaust Temperature (°F)

II. OPERATIONAL INFORMATION

A. Supplemental Fuel Usage Information

1. Fuel Supplier:

Supplier's Name

Street

Town/City State Zip Code

Telephone Number

2. Fuel Additives:

Manufacturer's Name

Street

Town/City State Zip Code

Telephone Number

Identification of Additive

Consumption Rate (gallons per 1000 gallons of fuel)

3. Fuel Information (List each fuel utilized by this device):

Type	% Sulfur	% Ash	% Moisture (solid fuels only)	Heat Rating (specify units)	Potential Heat Input (MMBtu/hr)	Actual Annual Usage (specify units)

B. Hours of Operation

Hours per day: _____ Days per year: _____

III. POLLUTION CONTROL EQUIPMENT ☐ Not Applicable

A. Type of Equipment *Note: if process utilizes more than one control device, provide data for each device*

- | | |
|---|---|
| <input type="checkbox"/> baffled settling chamber | <input type="checkbox"/> wide bodied cyclone |
| <input type="checkbox"/> long cone cyclone | <input type="checkbox"/> irrigated long cone cyclone |
| <input type="checkbox"/> multiple cyclone (_____ inch diameter) | <input type="checkbox"/> carbon absorption |
| <input type="checkbox"/> electrostatic precipitator | <input type="checkbox"/> irrigated electrostatic precipitator |
| <input type="checkbox"/> spray tower | <input type="checkbox"/> absorption tower |
| <input type="checkbox"/> venturi scrubber | <input type="checkbox"/> baghouse |
| <input type="checkbox"/> afterburners (incineration) | <input type="checkbox"/> packed tower/column |
| <input type="checkbox"/> selective catalytic reduction | <input type="checkbox"/> selective non-catalytic reduction |
| <input type="checkbox"/> reburn | |
| <input type="checkbox"/> other (specify): _____ | |

B. Pollutant Input Information

Pollutant	Temperature (°F)	Actual (lb/hr)	Potential (lb/hr)	Actual (ton/yr)	Potential (ton/yr)

Method used to determine entering emissions:

- ☐ stack test ☐ vendor data ☐ emission factor ☐ material balance
☐ other
(specify): _____

C. Operating Data

1. Capture Efficiency: _____% Verified by: ☐ test ☐ calculations

Device: _____

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2. Control Efficiency: _____ % Verified by: ☐ test ☐ calculations

3. Normal Operating Conditions (*supply the following data as applicable*)

Total gas volume through unit (acfm)

Temperature (°F)

Percent Carbon Dioxide (CO₂)

Voltage

Spark Rate

Milliamps

Pressure Drop (inches of water)

Liquid Recycle Rate (gallons per minute)

IV. DEVICE EMISSIONS DATA:

Pollutant	Temperature (°F)	Actual (lb/hr)	Potential (lb/hr)	Actual (ton/yr)	Potential (ton/yr)

Method used to determine exiting emissions:

☐ stack test ☐ vendor data ☐ emission factor ☐ material balance

☐ other (specify): _____